

SECTION 307 — PREFABRICATED EDGE DRAINS

307.01 DESCRIPTION. This work shall consist of constructing a prefabricated edge drain system and underdrain pipe outlets as specified In the Contract Documents.

307.02 MATERIALS.

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|---------------------------------------|-----|
| Outlet Pipe | 905 |
| Select Borrow | 916 |
| Prefabricated Edge Drain and Fittings | 922 |

307.03 CONSTRUCTION. Prefabricated edge drains shall be installed in conformance with the manufacturer's recommendations. Drains with support on only one side shall have the support side placed away from the pavement edge. Refer to 402.03.01 for excavated material.

307.03.01 Trenches For Prefabricated Edge Drains. Trenches shall be excavated with a trencher and shall be as narrow as possible yet wide enough to allow insertion of the prefabricated edge drains at the required elevation. The maximum width of the trench shall be 10 in. The exposed edge of the pavement shall be free of soil to ensure direct contact between the drain and pavement. The excavation of the trench, placement of the edge drain, and placement of the first lift of backfill shall be accomplished in a single continuous operation, unless otherwise directed by the Engineer.

307.03.02 Splices. Splices shall be made prior to placement of the prefabricated edge drain in the trench and in conformance with the manufacturer's recommendations. All splices shall be as approved by the Engineer.

Solid, Central Cores (unconnected two sided flow). Crossover couplings shall be used at all splices and at 200 ft intervals.

307.03.03 Connections to Outlets. The prefabricated edge drain shall be connected to the outlets using fittings recommended by the manufacturer.

Outlets shall be spaced at 200 ft intervals and at the lowest elevation on all vertical curves. Outlets shall be constructed in conformance with 306.03.04.

307.03.04 Backfilling of Trenches. Unless otherwise specified in the Contract Documents, material for backfilling trenches shall be the

material generated from the trenching operation, as approved by the Engineer. Additional backfill material, if needed, shall conform to Select Borrow.

Backfilling shall be completed in two layers with the first layer being placed simultaneously with the drain, holding the drain flush against the side of the pavement. Backfill material shall be compacted using a vibratory shoe compactor.

307.04 MEASUREMENT AND PAYMENT. The payment will be full compensation for excavation, backfill, compaction, and for all material, labor, equipment, tools, and incidentals necessary to complete the work.

307.04.01 Prefabricated Edge Drains and Outlet Pipe will be measured and paid for at the Contract unit price per linear foot.

307.04.02 Additional backfill material authorized by the Engineer will be measured and paid for at the Contract unit price per cubic yard for Select Borrow Excavation.

SECTION 308 — EROSION AND SEDIMENT CONTROL

308.01 DESCRIPTION. This work shall consist of the application of erosion and sediment control measures throughout the life of the project to control erosion and to minimize the sedimentation in rivers, streams, lakes, reservoirs, bays, and coastal waters as specified in the Contract Documents or as directed by the Engineer.

Erosion and sediment control measures shall be applied to all disturbed areas. In addition, the Contractor shall identify all staging and stockpile areas and apply erosion and sediment control measures as approved by the Engineer and the Maryland Department of the Environment (MDE).

The Contractor shall assign an employee to the project to serve in the capacity of Erosion and Sediment Control Manager (ESCM).

308.01.01 Standards and Specifications. The erosion and sediment control measures and devices shall be constructed in conformance with the latest Maryland Standards and Specifications for Soil Erosion and Sediment Control published by the Maryland Department of the Environment, Water Management Administration and all revisions thereof including the additions and modifications specified herein or in the Contract Documents. The Contractor shall keep a copy of the latest